...NJATHA ELECTRICALS

1st RA Bill

SBR: 000010/21-22 Original/Duplicate/Triplicate BR = 000010/21-22

No. 29/5/2021 CONTRACT CERTIFICATE
(For Other Works)

Division: Electrical (DASARAHALLY) **Job No** 015-20-000017 Date: 29/5/2021
Head of Account :P 0300 M&R to Street lights - Replacement of Burnt bulbs etc Sub- Division:
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket Name of Work (as per sanctioned estimate) Operation and maintenance of street lights Package - D 4 Ward No 15 T Dasarahalli.
BILL Period:- 15-01-2021 to 30-04-2021 (3 month 16 Days)
Contractor and Full Address:-M/s Manjunatha Electricals
Work Order No:- EE/(Elec)/DZ/TEND/WO/000007/2020-21
Reference to Agreement Date ..... Dated :13-01-2021

Certified that the measurements were taken by me on 3/5/2021 and recorded of pages ..... to ..... of Measurement Book No ..... and that the work is satisfactorily executed.

Contractor

Officer in charge of work
JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 3/5/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Sub-division Officer
ASST. EXECUTIVE ENGINEER
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

II Memorandum of Payment

16) Total value of work done or supplies as per account within — Present bill — 2625479-00
17) Deduct amount to be held in reserve being ..... @ 1% — IT 1 - 2625-00
Rs.....
18) " — GST 1% - 2344-00
19) Deduct payment : Balance — SGST 1% = 2344-00
g) Amount of previous payment as in the Office Cash Book Voucher — LWC 1% = 2625-00
No.....Dated.....S.D.No..... — CBFO 1% = 262-00
Amount adjusted towards cash advance recovery of — Scrap 2% = 52502-0
h) Payments cost store or other material supplied. — Fin = 16500-00
Now made recovery amount creditable to this/ other work — Total deletion = 31950-0
Amount paid on this bill cheque/cash — Total bill = 2305479-00
20) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments
7) Net amount due to or from contractor
Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied

Received Rs.....(in words)
.....
by cash and adjustment of payment as per memorandum.

Contractors Signature

Witnesses :
1.
2.
Dated .....Signature of contractor
Paid by me by cheque No.....Dated.....
Cash Rs.....Dated.....

Initials of Officer making payment

(For use in the office)

Stamp

Audited and admitted for Rs. 26254-00
passed by Chaque for Rs. 23059-00
(Two Lakh Thirty Thousand Fifty Nine Hundred)
by adjustment Rs. 31950/-

Executive Engineer (Ele)

Accounts Superintendent Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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...THG ELECTRICALS

Sl. No.	Description of item	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P	Amount	Qty	Cost	
	Name of work:-Operation and maintenance of street lights Package - D 4 Ward No 15 t T Dasarahalli		viously d so for	Months	3.516	3 Months	16 Days	Upto Date paid so for 3 Months 16 Days		
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Igniters Capacitors, Switches wires Holders Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lighting system as detailed below Poles with 36/40 W fluorescent tube light street lighting system	Each			201	34 84	24621 99	201 x 3 Months 16 Days	24621 99	
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Igniters Capacitors, Switches wires Holders Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lighting system as detailed below Poles with 250W HPMH light street lighting system	Each			1097	51 82	199872 43	1097 x 3 Months 16 Days	199872 43	
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Igniters Capacitors, Switches wires Holders Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lighting system as detailed below Poles with 400 watts HPSV light street lighting system	Each			36	56 83	7193 31	36 x 3 Months 16 Days	7193 31	
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Igniters, Capacitors, Switches wires Holders Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lighting system as detailed below Poles with 24 W LED light street lighting system	Each			1	44 73	157 27	1 x 3 Months 16 Days	157 27	
5	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Igniters, Capacitors, Switches wires Holders Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lighting system as detailed below Poles with 65 W LED light street lighting system	Each			97	58 32	19890 15	97 x 3 Months 16 Days	19890 15	
6	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps Tubes Chokes Igniters, Capacitors, Switches wires Holders Starter and switching ON/OFF of street lights at specified timing and Pole numbering Preparing ward wise street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lighting system as detailed below Poles with 90 W LED light street lighting system	Each			10	70 03	2462 25	10 x 3 Months 16 Days	2462 25	
7	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets such as MCB's Contactors, Timer Cut-outs, wiring connector and M S Box with proper insulation etc complete				15	158 36	8351 91	15 x 3 Months 16 Days	8351 91	
8	B Work to be carried ut as per requirment & actuals and as per the directions of the in charge engineer Painting of existing Street lighting pole after scraping the old paint and painted with suitable colour enamel/silver paint including copingflooting of the pole a) Upto 8 Mtrs light pole	Each			0	469 70	0 00	0	0 00	
9	Moulded Case Circuit Breaker (MCCB) three pole 100Amps 25kA				0	1657 98	0 00	0	0 00	
10	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3 5 C Al/Ar / Cu/ Ar Cable and branch out 2 5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof safe IP65(Weather Proof), rust proof dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets 200mmx200mmx98mm				0	1252 94	0 00	0		

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11	Thinstor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application smart control system has hardware ruggedness over field issues like line cross line short lighting and any other irregularities in voltage It has some features like 1 Remote lighting management 2 Precise lighting turnoff 3 Load ballancing 4 Load power regulation 5 Status tracking It works on the basis of some of these features 1) Main Control Unit(Mother board) Handles controlling data handling and other communication process 2) Communication unit GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit Firing angle controllable board for driving the thynstor 4) Switching Thyristor SCR 110 AMPS dual thynstor modules for switching 5) Embedded Firmware Firmware to control handle , process the data and communicate it wirelessly 6) Metal Enclosure IP66 weather prof metal enclosure 7) Transformers Customized step down transformers for vanous purposes 8) Wiring and other device assembly components						
	TOTAL						
	Add GST 12 % on item no 08 to 11						
	TOTAL Rs						
	Fine imposed for non burning of street lights For the period of 01/1/2021 to30/4/2021						
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						
	GRAND TOTAL						

Certificate

The above said monthly maintenance work has been carried out satisfactorily

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

		0	31415 00	0 00	0		
				262549.32		262549.32	
				0.00		0.00	
				262549.32		262549.32	
				16500 00		16500 00	
				5250 99		5250 99	
0				240798.33		240798.33	

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